

Abstract Of The Disclosure

A flexible, hollow, waveguide is featured, that  
functions in the visible region. The waveguide comprises a  
5 hollow, flexible, silica-glass tube having a smooth bore,  
that is coated with a reflective substance on the inner bore  
surface. A composite of two sulfide materials are then  
layered over the reflective substance. The sulfide materials  
form a high contrasting refractive index of approximately  
10 2:1, thus creating a photonic, bandgap tube.